

ME
WORKPAPER 2.0
PAGE 3 OF 3PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC NO. 11DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

	A	B	C	D	E	
LINE NO.	ITEM	SOURCE	URBAN	SUBURBAN	RURAL	
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	2,600	2,600	1,200	
2	Material	Engineering	\$17,000	\$12,000	\$9,000	
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50	
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
5	Statewide Unit Investment Per AMP		\$6.36	\$0.57	\$1.69	\$4.11
	<u>Rectifiers</u>					
6	Quantity	Engineering	5	6	5	
7	AMPS per unit	Engineering	200	200	200	
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000	
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%	
10	Material	Engineering	\$30,000	\$35,700	\$30,000	
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500	
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50	
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
14	Statewide Unit Investment Per AMP		\$36.84	\$3.25	\$13.07	\$20.53
	<u>Batteries</u>					
15	Strings	Engineering	3	4	3	
16	AMPS per String	Engineering	310	310	310	
17	Tot. AMPS	(L15 * L16)	930	1,240	930	
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500	
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55	
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
21	Statewide Unit Investment Per AMP		\$43.23	\$3.77	\$15.61	\$23.84
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,200	800	400	
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000	
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00	
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
26	Statewide Unit Investment Per AMP		\$46.27	\$2.89	\$16.01	\$27.38
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	800	400	400	
28	Material	Engineering	\$4,000	\$3,700	\$2,700	
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75	
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
31	Statewide Unit Investment Per AMP		\$7.51	\$0.43	\$3.39	\$3.70
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	1,216	868	278	
33	Utilization	Engineering	70%	70%	70%	
34	Utilized AMPS	(L32 * L33)	851	608	195	
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500	
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000	
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500	
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26	
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
40	Statewide Unit Investment Per AMP		\$159.24	\$6.94	\$35.54	\$116.76
	<u>Battery Distribution Fuse Bay</u>					
41	AMP Capacity	Engineering	800	800	800	
42	Material	Engineering	\$8,181	\$8,181	\$8,181	
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23	
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475	
45	Statewide Unit Investment Per AMP		\$10.23	\$0.89	\$3.74	\$5.60
	<u>Total Unit Investment - (Less than or</u>					
46	Equal to 60 AMP's) - Sum Lines		\$309.69			
	(5C+14C+21C+26C+31C+40C+45C)					

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PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 46	-	-	\$312.72	\$312.72
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24D	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$870.98	\$870.98
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$870.98	\$870.98
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22D	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23D	-	0.1167	-	0.1167
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$101.64	-	\$101.64
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$101.64	\$870.98	\$972.62
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26D	\$0.00	\$9.96	\$85.36	\$95.32

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PHYSICAL COLLOCATION
Bell Atlantic - Maine
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DC POWER - GREATER THAN 50 AMPS

A	B	C	D	E	F
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 2.0, PG 2 LINE 10	\$0.00	\$101.64	\$870.98	\$972.62
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.61	\$44.51	\$47.12
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.38	\$49.82	\$58.20
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.38	\$20.12	\$23.50
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.59	\$13.85	\$15.43
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.63	\$28.66	\$37.28
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$3.39</u>	<u>\$29.61</u>	<u>\$33.01</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.98	\$186.56	\$214.55
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26D	\$0.00	\$2.74	\$18.28	\$21.03

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DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
5	Statewide Unit Investment Per AMP		\$6.36	\$1.69	\$4.11
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
14	Statewide Unit Investment Per AMP		\$36.84	\$13.07	\$20.53
	Batteries				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
21	Statewide Unit Investment Per AMP		\$43.23	\$15.61	\$23.84
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
26	Statewide Unit Investment Per AMP		\$46.27	\$16.01	\$27.38
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
31	Statewide Unit Investment Per AMP		\$7.51	\$3.39	\$3.70
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
40	Statewide Unit Investment Per AMP		\$159.24	\$35.54	\$116.76
	Power Plant Distribution Bay				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0866	0.3660	0.5475
45	Statewide Unit Investment Per AMP		\$13.26	\$3.05	\$9.13
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)				
			\$312.72		

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PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH.EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 3.1, PG 3, LINE 46	-	-	\$281.50	\$281.50
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24E	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$784.04	\$784.04
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$784.04	\$784.04
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22E	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23E	-	0.1357	-	0.1357
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$106.39	-	\$106.39
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$106.39	\$784.04	\$890.44
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26E	\$0.00	\$12.34	\$90.95	\$103.29

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PHYSICAL COLLOCATION
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

A	B	C	D	E	F
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$0.00	\$106.39	\$784.04	\$890.44
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.73	\$39.83	\$42.56
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.77	\$44.61	\$53.38
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.54	\$18.03	\$21.58
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.76	\$0.08	\$1.83
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$6.63	\$31.13	\$37.75
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$3.67</u>	<u>\$27.44</u>	<u>\$31.11</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.10	\$161.12	\$188.22
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26E	\$0.00	\$3.14	\$18.69	\$21.83

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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
5	Statewide Unit Investment Per AMP		\$6.10	\$1.88	\$2.67
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
14	Statewide Unit Investment Per AMP		\$36.77	\$14.51	\$13.34
	Batteries				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
21	Statewide Unit Investment Per AMP		\$43.19	\$17.34	\$15.49
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
26	Statewide Unit Investment Per AMP		\$43.50	\$17.79	\$17.78
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
31	Statewide Unit Investment Per AMP		\$7.35	\$3.76	\$2.40
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
40	Statewide Unit Investment Per AMP		\$134.38	\$39.48	\$75.85
	Battery Distribution Fuse Bay				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
45	Statewide Unit Investment Per AMP		\$10.23	\$4.16	\$3.64
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)		\$281.50		

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PHYSICAL COLLOCATION
Bell Atlantic - New Hampshire
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 3.0, PG 3, LINE 46	-	-	\$283.56	\$283.56
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24E	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$789.79	\$789.79
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$789.79	\$789.79
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22E	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23E	-	0.1357	-	0.1357
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$107.17	-	\$107.17
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$107.17	\$789.79	\$896.96
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26E	\$0.00	\$12.43	\$91.62	\$104.05

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**PHYSICAL COLLOCATION
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DC POWER - GREATER THAN 60 AMPS

A	B	C	D	E	F
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$0.00	\$107.17	\$789.79	\$896.96
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.75	\$40.12	\$42.88
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.83	\$44.94	\$53.77
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.57	\$18.17	\$21.73
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.77	\$0.08	\$1.85
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$6.68	\$31.35	\$38.03
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$3.70</u>	<u>\$27.64</u>	<u>\$31.34</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.30	\$162.30	\$189.60
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26E	\$0.00	\$3.17	\$18.83	\$21.99

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DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
5	Statewide Unit Investment Per AMP		\$6.10	\$1.88	\$2.67
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
14	Statewide Unit Investment Per AMP		\$36.77	\$14.51	\$13.34
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
21	Statewide Unit Investment Per AMP		\$43.19	\$17.34	\$15.49
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
26	Statewide Unit Investment Per AMP		\$43.50	\$17.79	\$17.78
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
31	Statewide Unit Investment Per AMP		\$7.35	\$3.76	\$2.40
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
40	Statewide Unit Investment Per AMP		\$134.38	\$39.48	\$75.85
	<u>Power Plant Distribution Bay</u>				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.2378	0.4066	0.3557
45	Statewide Unit Investment Per AMP		\$12.29	\$3.39	\$5.93
46	<u>Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)</u>				
			\$283.56		

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PHYSICAL COLLOCATION
Bell Atlantic - Rhode Island
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 4.0, PG 3, LINE 46	-	-	\$244.48	\$244.48
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24F	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$680.92	\$680.92
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$680.92	\$680.92
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22F	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23F	-	0.1845	-	0.1845
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$125.63	-	\$125.63
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$125.63	\$680.92	\$806.55
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26F	\$0.00	\$12.31	\$66.73	\$79.04

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PHYSICAL COLLOCATION
Bell Atlantic - Rhode Island
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 4.0, PG 2 LINE 10	\$0.00	\$125.63	\$680.92	\$806.55
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.99	\$34.73	\$37.72
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$10.45	\$38.88	\$49.33
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.22	\$15.73	\$19.95
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.34	\$7.42	\$8.77
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.15	\$27.17	\$30.32
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.52	\$24.92	\$29.44
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$26.68	\$148.85	\$175.53
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26F	\$0.00	\$2.62	\$14.59	\$17.20

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Bell Atlantic - Rhode Island
FCC NO. 11

DC POWER COST DEVELOPMENT

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
5	Statewide Unit Investment Per AMP		\$5.78	\$2.07	\$0.79
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
14	Statewide Unit Investment Per AMP		\$36.69	\$15.99	\$3.96
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
21	Statewide Unit Investment Per AMP		\$43.15	\$19.11	\$4.60
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
26	Statewide Unit Investment Per AMP		\$39.76	\$19.60	\$5.28
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
31	Statewide Unit Investment Per AMP		\$7.09	\$4.14	\$0.71
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
40	Statewide Unit Investment Per AMP		\$101.78	\$43.50	\$22.51
	<u>Battery Distribution Fuse Bay</u>				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
45	Statewide Unit Investment Per AMP		\$10.23	\$4.58	\$1.08
46	<u>Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)</u>				
			\$244.48		

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PHYSICAL COLLOCATION
Bell Atlantic - Rhode Island
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 4.0, PG 3, LINE 46	-	-	\$245.32	\$245.32
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24F	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$683.28	\$683.28
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$683.28	\$683.28
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22F	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23F	-	0.1845	-	0.1845
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$126.07	-	\$126.07
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$126.07	\$683.28	\$809.34
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26F	\$0.00	\$12.35	\$66.96	\$79.32

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**PHYSICAL COLLOCATION
Bell Atlantic - Rhode Island
FCC - 11**

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 4.0, PG 2 LINE 10	\$0.00	\$126.07	\$683.28	\$809.34
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.00	\$34.85	\$37.85
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$10.49	\$39.02	\$49.50
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.24	\$15.78	\$20.02
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.35	\$7.45	\$8.80
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.16	\$27.26	\$30.43
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$4.54</u>	<u>\$25.01</u>	<u>\$29.55</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$26.78	\$149.36	\$176.14
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26F	\$0.00	\$2.62	\$14.64	\$17.26

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PHYSICAL COLLOCATION
Bell Atlantic - Rhode Island
FCC NO. 11

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
5	Statewide Unit Investment Per AMP	\$5.78	\$2.92	\$2.07	\$0.79
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
14	Statewide Unit Investment Per AMP	\$36.69	\$16.74	\$15.99	\$3.96
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
21	Statewide Unit Investment Per AMP	\$43.15	\$19.44	\$19.11	\$4.60
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
26	Statewide Unit Investment Per AMP	\$39.76	\$14.88	\$19.60	\$5.28
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
31	Statewide Unit Investment Per AMP	\$7.09	\$2.23	\$4.14	\$0.71
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
40	Statewide Unit Investment Per AMP	\$101.78	\$35.77	\$43.50	\$22.51
	<u>Power Plant Distribution Bay</u>				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.4465	0.4480	0.1055
45	Statewide Unit Investment Per AMP	\$11.07	\$5.58	\$3.73	\$1.76
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)				
		\$245.32			

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PHYSICAL COLLOCATION
Bell Atlantic - Vermont
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 5.0, PG 3, LINE 46	-	-	\$296.97	\$296.97
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24G	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$827.11	\$827.11
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$827.11	\$827.11
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22G	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23G	-	0.1256	-	0.1256
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$103.89	-	\$103.89
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$103.89	\$827.11	\$931.00
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26G	\$0.00	\$5.09	\$40.53	\$45.62

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PHYSICAL COLLOCATION
Bell Atlantic - Vermont
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DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 5.0, PG 2 LINE 10	\$0.00	\$103.89	\$827.11	\$931.00
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.83	\$42.18	\$45.01
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.50	\$47.23	\$55.73
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.44	\$19.11	\$22.54
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.10	\$8.93	\$10.03
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$7.33	\$38.05	\$45.38
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.85	\$31.18	\$35.04
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.05	\$186.68	\$213.73
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26G	\$0.00	\$1.33	\$9.15	\$10.47

PHYSICAL COLLOCATION
Bell Atlantic - Vermont
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DC POWER COST DEVELOPMENT

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
5	Statewide Unit Investment Per AMP		\$6.27	\$1.70	\$3.48
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
14	Statewide Unit Investment Per AMP		\$36.83	\$13.16	\$17.40
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
21	Statewide Unit Investment Per AMP		\$43.22	\$15.73	\$20.20
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
26	Statewide Unit Investment Per AMP		\$44.90	\$16.13	\$23.20
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
31	Statewide Unit Investment Per AMP		\$7.38	\$3.41	\$3.13
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
40	Statewide Unit Investment Per AMP		\$148.14	\$35.80	\$98.93
	<u>Battery Distribution Fuse Bay</u>				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
45	Statewide Unit Investment Per AMP		\$10.23	\$3.77	\$4.74
46	<u>Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)</u>		\$296.97		

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**PHYSICAL COLLOCATION
Bell Atlantic - Vermont
FCC - 11**

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 5.1, PG 3, LINE 46	-	-	\$299.64	\$299.64
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24G	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$834.55	\$834.55
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$834.55	\$834.55
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22G	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23G	-	0.1256	-	0.1256
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$104.82	-	\$104.82
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$104.82	\$834.55	\$939.37
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26G	\$0.00	\$5.14	\$40.89	\$46.03

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PHYSICAL COLLOCATION
Bell Atlantic - Vermont
FCC - 11

DC POWER - GREATER THAN 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 5.1, PG 2 LINE 10	\$0.00	\$104.82	\$834.55	\$939.37
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.85	\$42.56	\$45.41
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.57	\$47.65	\$56.23
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.47	\$19.28	\$22.75
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.11	\$9.01	\$10.12
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$7.40	\$38.39	\$45.79
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$3.89</u>	<u>\$31.46</u>	<u>\$35.35</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.29	\$188.36	\$215.65
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26G	\$0.00	\$1.34	\$9.23	\$10.57

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WORKPAPER 5.1
PAGE 3 OF 3PHYSICAL COLLOCATION
Bell Atlantic - Vermont
FCC NO. 11

DC POWER - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C URBAN	D SUBURBAN	E RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
5	Statewide Unit Investment Per AMP	\$6.27	\$1.09	\$1.70	\$3.48
	<u>Rectifiers</u>				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
14	Statewide Unit Investment Per AMP	\$36.83	\$6.27	\$13.16	\$17.40
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPS per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
21	Statewide Unit Investment Per AMP	\$43.22	\$7.29	\$15.73	\$20.20
	<u>Automatic Breaker</u>				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
26	Statewide Unit Investment Per AMP	\$44.90	\$5.58	\$16.13	\$23.20
	<u>Power Distribution Service Cabinet</u>				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
31	Statewide Unit Investment Per AMP	\$7.38	\$0.84	\$3.41	\$3.13
	<u>Emergency engine/turbine (auto start)</u>				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
40	Statewide Unit Investment Per AMP	\$148.14	\$13.40	\$35.80	\$98.93
	<u>Power Plant Distribution Bay</u>				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.1673	0.3687	0.4639
45	Statewide Unit Investment Per AMP	\$12.90	\$2.09	\$3.07	\$7.73
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)		\$299.64		

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**PHYSICAL COLLOCATION
BELL ATLANTIC - NEW ENGLAND
FCC NO. 11**

FACTORS							
A	B	C	D	E	F	G	
LINE NO	ITEM	SOURCE	MA DATA	ME DATA	NH DATA	RI DATA	VT DATA
<u>ANNUAL COST FACTOR</u>							
<u>- Digital Switch - Power (2212.00)</u>							
1	DEPRECIATION	SERVICE COSTS	0.0508	0.0511	0.0508	0.0510	0.0510
2	COST OF MONEY	SERVICE COSTS	0.0569	0.0572	0.0569	0.0571	0.0571
3	INCOME TAX	SERVICE COSTS	0.0230	0.0231	0.0230	0.0231	0.0231
4	OTHER TAX	SERVICE COSTS	0.0002	0.0159	0.0001	0.0109	0.0108
5	MAINTENANCE	SERVICE COSTS	0.0559	0.0329	0.0397	0.0399	0.0460
6	ADMINISTRATION	SERVICE COSTS	0.0425	0.0340	0.0350	0.0366	0.0377
7	TOTAL- Digital Switch ACF	SUM (LINES 1 THRU LINE 6)	0.2293	0.2142	0.2055	0.2186	0.2257
<u>- Land</u>							
8	DEPRECIATION	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1142	0.1126	0.1126	0.1126	0.1126
10	INCOME TAX	SERVICE COSTS	0.0462	0.0456	0.0456	0.0456	0.0456
11	OTHER TAX	SERVICE COSTS	0.0175	0.0156	0.0165	0.0108	0.0106
12	MAINTENANCE	SERVICE COSTS	0.0348	0.0849	0.0623	0.0251	0.0706
13	ADMINISTRATION	SERVICE COSTS	0.0425	0.0334	0.0345	0.0360	0.0371
14	TOTAL- Land ACF	SUM (LINES 8 THRU LINE 13)	0.2552	0.2821	0.2715	0.2301	0.2765
<u>- Building</u>							
15	DEPRECIATION	SERVICE COSTS	0.0254	0.0257	0.0257	0.0238	0.0272
16	COST OF MONEY	SERVICE COSTS	0.0838	0.0824	0.0824	0.0832	0.0818
17	INCOME TAX	SERVICE COSTS	0.0339	0.0333	0.0333	0.0336	0.0331
18	OTHER TAX	SERVICE COSTS	0.0175	0.0156	0.0165	0.0107	0.0106
19	MAINTENANCE	SERVICE COSTS	0.0348	0.0849	0.0623	0.0251	0.0706
20	ADMINISTRATION	SERVICE COSTS	0.0425	0.0334	0.0345	0.0360	0.0371
21	TOTAL- Building ACF	SUM (LINES 15 THRU LINE 20)	0.2379	0.2753	0.2547	0.2124	0.2604
<u>OTHER FACTORS:</u>							
22	LAND INVESTMENT FACTOR	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000
23	BUILDING INVESTMENT FACTOR	SERVICE COSTS	0.1835	0.1167	0.1357	0.1845	0.1256
24	EF&I FACTOR - FRC 377C (DC POWER)	SERVICE COSTS	2.7852	2.7852	2.7852	2.7852	2.7852
25	OVERHEAD LOADING FACTOR	COMMISSION PRESCRIBED	1.0000	1.0000	1.0000	1.0000	1.0000
26	BA-NE NAL WEIGHTING FACTOR	SERVICE COSTS	0.638	0.098	0.116	0.098	0.049
27	METRO POWER ZONE WEIGHTING	SERVICE COSTS	0.0772	N/A	N/A	N/A	N/A
28	URBAN POWER ZONE WEIGHTING	SERVICE COSTS	0.3512	0.0866	0.2378	0.4465	0.1673
29	SUBURBAN POWER ZONE WEIGHTING	SERVICE COSTS	0.5123	0.3660	0.4066	0.4480	0.3687
30	RURAL POWER ZONE WEIGHTING	SERVICE COSTS	0.0588	0.5475	0.3557	0.1055	0.4639